

# Recombinant Full Length Human EPHB3 Protein, GST-tagged

**Cat. No.** EPHB3-4368HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human EPHB3 full-length ORF ( NP_004434.2, 1 a.a. - 998 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	998 amino acids
<b>Description</b>	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. This gene encodes a receptor for ephrin-B family members. [provided by RefSeq, Mar 2010]
<b>Molecular Mass</b>	136.7 kDa
<b>AA Sequence</b>	MARARPPPPSPPPGLLPLLPLLLPLLLLPAGCRALEETLMDTKWVTSELAWTSH PESGWEEVSGYDEAMNPIRTYQVCNVRESSQNNWLRTGFIWRRDVQRVYVELKFT VRDCNSIPNIPGSCKETFNLFYFEADSDVASASSPFWMENPYVKVDTIAPDESFSRL

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DAGRVNTKVRSGPLSKAGFYLAHQDQGACMSLISVRAFYKKCASTTAGFALFPETL  
 TGAEPTSLVIAPGTCIPNAVEVSVPLKLYCNGDGEWMVPVGACTCATGHEPAAKES  
 QCRPCPPGSYKAKQGEGPCLPCPPNSRTTSPAASICTCHNNFYRADSDSADSACTT  
 VPSPPRGVISNVNETSLILEWSEPRDLGGRDDLNVICKKCHGAGGASACSRD  
 NVEFVPRQLGLTERRVHISHLLAHTRYTFEVQAVNGVSGKSPLPPRYAAVNITTNQA  
 APSEVPTLRHSSSSGSSLTWSAPPERPNGVILDYEMKYFEKSEGIASVTVSQMNSV  
 QLDGLRPDARYVVQVRARTVAGYGQYSRPAEFETTSEKSGAQQQLQEQLPLIVGS  
 ATAGLVFVVAVVIAIVCLRKQRHGSSEYTEKLQQYIAPGMKVYIDPFTYEDPNEAV  
 REFAKEIDVSCVKIEEVIGAGEFGEVCRGRLKQPGRREVFVAIKTLKVGYTEQRD  
 FLSEASIMGQFDHPNIIRLEGVVTKSRPVMILTEFMENCALDSFLRLNDGQFTVIQLV  
 GMLRGIAAGMKYLSEMNYVHRDLAARNILVNSNLVCKVSDFGLSRFLEDDPSDPTYT  
 SSLGGKIPIRWTAPEAIAIRKFTSASDVWSYGIVMWEVMSYGERPYWDMNQDVIN  
 AVEQDYRLPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLRNAASLKVIA  
 SAQSGMSQPLLDRTVPDYTTFTTVGDWLDAIKMGYKESFVSAGFASFDLVAQMTA  
 EDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLPVQV

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

EPHB3 EPH receptor B3 [ Homo sapiens ]

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<b>Official Symbol</b>	EPHB3
<b>Synonyms</b>	EPHB3; EPH receptor B3; EphB3 , ETK2; ephrin type-B receptor 3; Hek2; Tyro6; EK2; EPH-like kinase 2; embryonic kinase 2; human embryo kinase 2; EPH-like tyrosine kinase 2; EPH-like tyrosine kinase-2; tyrosine-protein kinase TYRO6; ETK2; HEK2; TYRO6;
<b>Gene ID</b>	2049
<b>mRNA Refseq</b>	NM_004443
<b>Protein Refseq</b>	NP_004434
<b>MIM</b>	601839
<b>UniProt ID</b>	P54753

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